

Notice of Allowability

Application No.

10/062,993

Examiner

Phallaka Kik

Applicant(s)

TEIG ET AL.

Art Unit

2825

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendmnt, IDS, TD filed 8/9/04, suppl. amendmnt filed 8/30/04, IDS filed 8/4/04, interview conducted on 8/13/04.
2. ☒ The allowed claim(s) is/are 1-13, 15-20, wherein claims 15-20 have been renumbered as 14-19.

3. ☒ The drawings filed on 15 March 2004 are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 8/9/04 & 8/4/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20040904.

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

ANNETTE M. THOMPSON
PRIMARY EXAMINER

DETAILED ACTION

1. This Office Action responds to Applicant's amendment, IDS, and Terminal Disclaimer filed on 8/9/2004, supplemental amendment filed on 8/30/2004, and IDS filed 8/4/2004, and interview conducted on 8/13/2004. Claims 1-13,15-20 are pending, wherein claim 14 has been cancelled and claims 1,13,15-20 have been amended. Claims 1-13,15-20 have been examined and are allowed, wherein claim 20 is subjected to the following Examiner's Amendment.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims:

As per **claim 20**, --for-- has been inserted after "instructions" (line 2), for proper grammar (which is similar to claim 19).

Information Disclosure Statement

3. Acknowledgement is made of the IDS filed electronically on 8/4/2004. Although the Examiner is unable to access this IDS due to some database and/or network error, a copy of this IDS is also found with the 8/9/2004 filing. Accordingly, the IDS filed on 8/4/2004 has been considered.

Terminal Disclaimer

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4. The terminal disclaimer filed on 8/9/2004 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent Application Nos. 10/066,456, 10/062,047, and 10/061,719, has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

5. **Claims 1-13,15-20** are allowed.

6. The following is an examiner's statement of reasons for allowance:

As per **claims 1-13,15-20**, the independent claims 1 and 17, which the respective depend, recite the method/computer readable medium that stores a computer program, for performing technology mapping on a design that is not bounded to a particular technology, comprising the inventive features in which during an iteration, a first candidate sub-network is replaced in the design with a first replacement sub-network, and during another iteration, the second candidate sub-network is being replaced with a second replacement sub-network, wherein the second candidate sub-network comprised of at least one but not all circuit elements of the first replacement sub-network, as part of the mapping steps/means as claimed (see interview conducted on 8/13/2004 and amendment filed on 8/9/2004, pages 7-9). Other prior arts made of record similarly failed to teach or suggest the inventive features as claimed. In addition, Terminal Disclaimer filed on 8/9/2004 overcomes the outstanding double patenting rejection. Accordingly, the claims are novel and un-obvious over the prior arts made of record.

Conclusion

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phallaka Kik whose telephone number is 571-272-1895. The examiner can normally be reached on Monday-Friday, 9:30AM-6PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S. Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner for Patents

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P. O. Box 1450

Alexandria, VA 22313-1450

or faxed to:

703-872-9318 (for Before-Final) and 703-872-9319 (for After-Final)

for formal communications intended for entry,


Or:

(571) 273-1895 (for informal or draft communications, please label

"PROPOSED" or "DRAFT" and let the examiner know prior to

faxing).

PK 
September 4, 2004


J. M. THOMPSON
PRIMARY EXAMINER
TECHNOLOGY CENTER 2825